A Vietnam Journey

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TAKEAWAYS

FEEDBACK

Appendix: Case Studies

CASE STUDY – Testing Services

Business Need

Cisco needed to conduct integrated testing of hardware, software and cloud applications with multiple input streams.

Challenge

- Test complexity – APIs, wait & response verification, network latency
- Integration testing with multiple applications
- Development of use cases
- Load and performance testing of cloud infrastructure.

Solution

- US based project management working with client to develop test requirements
- Outsource test development and manual testing LogiGear
- Run regression testing on new builds,

Outcome

- All testing was performed with the specified time frame for product release.
- A scalable test plan was delivered to Cisco for ongoing testing, supported by test engineers in VN.

CASE STUDY – Automation Services

SNLFinancial

Business Need

Achieve efficiency through test automation by reducing regression testing time for SNL Financial

Challenge

- Complex application under test with custom controls
- No available commercial tool were a fit
- Shortage of skilled resources

Solution

- LogiGear professional services performed a POC and demonstrated value of tool (TestArchitect) and services
- Adopted Action Based Testing methodology for better scalability and maintainability in the future
- Segregated UI and functional tests for better maintainability

Outcome

- Automated over 1000 test cases under 4 months
- Created custom actions for controls in application under test that wasn't available out of the box

CASE STUDY - TestArchitect

Business Need

Centrify needed to automate testing keep up with planned releases of its integrated identity and access management (IAM) applications across cloud, mobile and data center applications.

Challenge

- Multiple platforms – Windows, Linux, Web, mobile
- Implement a platform that would allow collaboration across multiple teams in the US and Asia
- Automate a min of 60% of tests

Solution

- TestArchitect integrated test automation lifecycle management platform
- Professional Services training for in-house and off-shore teams on Action Based Testing
- Leverage LogiGear automation engineers to create custom actions

Outcome

- Centrify deployed and started running tests in 3 mos.
- Automated 80% of tests (20,000); discovered 583 new bugs using automation
- Ran their full suite of tests in 8 hours

CASE STUDY - TestArchitect

iii innovative

Business Need

Innovative Interfaces ecommerce application for libraries operated on six different subsystems. The time to complete regression testing was slowing market release cycles resulting in customer dissatisfaction.

Challenge

- Multiple subsystems with unique test requirements
- Creating test assets that could be replicated easily for the multiple subsystems
- Testers with minimal programming skills

Solution

- TestArchitect integrated test automation lifecycle management platform
- LogiGear automation engineers created custom actions for the initial automation
- Coaching by LogiGear test professionals on Action Based Testing (ABT)

Outcome

- The team was able to create actions and interface definitions immediately
- The 1st sub-system was fully automated in 60 days
- Regression test execution time was reduced by 94%

CASE STUDY - Consulting

Business Need

- Review and evaluate existing development methodology and test processes
- Define QA objectives to align with the business vision and long-term goals

Challenge

- Lack of test strategy or best practices and domain skills
- Ineffective and random automation strategy with heavy maintenance costs
- Lack of necessary QA skills with no metrics resulting in low to no value generated by QA

Solution

- Recommended best practices and suggested areas of improvement for scalable automation solution, domain training and effective test case design
- Train the team on QA practices and modern QA communication processes

Outcome

- Successfully automated repetitive processes using an agile automation strategy
- Implemented modern QA techniques in test planning, test case writing, defects logging and project communications, maximizing productivity of the overall QA team

CASE STUDY – App Development

Business Need

Waiter.com needed a mobile app that would provide its customers with the functionality of its ecommerce website.

Challenge

- Minimize the steps required for mobile ordering
- Assure the app worked with the top devices on the market
- Future proof the app for hardware/firmware updates

Solution

- LogiGear developers worked with Waoter.com staff to gather user requirements.
- Emulators were used during prototyping and initial development to identify and resolve 85% of compatibility issues.
- Final verification done on a combination of real and virtual devices prior to delivery to client.

Outcome

- App was delivered on time with a very efficient 9.5 MB footprint.
- Users have rated the app 4.5 out of 5 for usability
- The app enabled Waiter.com to maintain it's leadership position is meal delivery

THANK YOU!